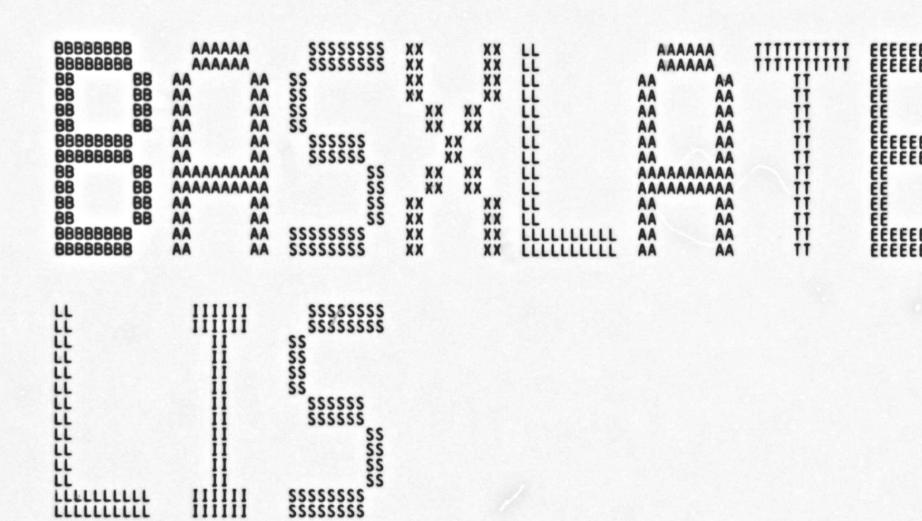
BBB	388888888 388888888 3888888888	AAAAAAAA AAAAAAAA	\$	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		
888	888 888	AAA AAA	SSS	RRR RRR	III	LLL
BBB	BBB	AAA AAA	SSS	RRR RRR	İİİ	iii
888 888	BBB	AAA AAA	SSS	RRR RRR	TTT	III
BBB	BBB	AAA AAA	SSS	RRR RRR	III	LLL
888	BBB	AAA AAA	SSS	RRR RRR	III	irr
	388888888 388888888	AAA AAA	\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$	RRRRRRRRRRRR	İİİ	iii
BAR	888888888	AAA AAA	\$\$\$\$\$\$\$\$\$	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	III	III
BBB	BBB	AAAAAAAAAAAA	SSS	RRR RRR	iii	LLL
BBB	BBB	AAAAAAAAAAAA	SSS	RRR RRR	iii	iii
BBB	BBB	AAAAAAAAAAAA	SSS	RRR RRR	İİİ	iii
BBB	BBB	AAA AAA	SSS	RRR RRR	TTT	LLL
BBB	BBB	AAA AAA	SSS	RRR RRR	III	LLL
BBB	BBB	AAA AAA	288	RRR RRR	III	LLL
	388888888 388888888	AAA AAA	SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	RRR RRR	iii	LLLLLLLLLLLLLLL
	3868888888	AAA AAA	33333333333	RRR RRR	III	



F 7

16-SEP-1984 00:01:59 VAX/VMS Macro V04-00

Page 0

(2)

BASSXLATE Table of contents

92

DECLARATIONS BAS\$XLATE

- Perform BASIC XLATE function

TITLE BASSXLATE

G 7

: File: BASXLATE.MAR EDIT: RNH1004

Page

(1)

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: FACILITY: BASIC code support

ABSTRACT:

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This module implements the BASIC-PLUS-2 XLATE function

ENVIRONMENT: User Mode, AST Reentrant

: AUTHOR: R. WILL, CREATION DATE: 18-May-79

MODIFIED BY:

R. Will,: VERSION 1
1-001 - Original
1-002 - Change calls to STR\$COPY. JBS 16-JUL-1979
1-003 - Change a INCW R1 to INCL R1. R1 contains an address. FM 5-FEB-81
1-004 - Change shared external references to G* RNH 25-Sep-81

PSECT DECLARATIONS:

.PSECT _BAS\$CODE PIC, USR, CON, REL, LCL, SHR, - EXE, RD, NOWRT, LONG

00000000

1 7

BASSXLATE BASSXLATE	J 7 16-SEP-1984 00:01:59 VAX/VMS Macro V04-00 Page 4 - Perform BASIC XLATE functi 6-SEP-1984 10:40:27 [BASRTL.SRC]BASXLATE.MAR;1 (3)
0002 0002 0002 0002	149 150 :+ 151 : Create a local descriptor and copy the input string to it using STR\$COPY 152 :-
51 08 AC DO 0002 7E D4 0006 020E0000 8F DD 0008	MOVL src_string(AP), R1 ; pointer to src string CLRL -(SP) ; address of local string PUSHL #< <dsc\$k_class_d 24="" a=""> ! <dsc\$k_dtype_t 16="" a="">> MOVL SP, R0 ; fill type, class and length RO points to local descriptr</dsc\$k_dtype_t></dsc\$k_class_d>
00000000 GF 16 0011	160 JSB G"STRSCOPT_DX_R8 ; copy string to local
0017 0017 0017 0017	161 ;+ 162 ; Create a local descriptor and allocate space to it, to use as destination 163 ; string for MOVTUC 164 ;-
020E0000 8F DD 0019	164 ;- 165 166
00000000°GF 00 5E DD 001F 00000000°GF 02 FB 0024 002B	## Fill type, class and len ## point to descriptor ## point to allocate ## point to allocate ## point to allocate ## point to allocate ## point to allocate ## point to descriptor ## point to
002B 002B 002B 002B	174 : Call LIB\$GET_VM to allocate 256 bytes to use for translate table
7E 00000100 8F D0 002B 04 AE DF 0034	175; and create the translation table 176;- 177 178
7E 00000100 8F D0 002D 04 AE DF 0034 04 AE DF 0037 00000000 GF 02 FB 003A 50 0C BC 7D 0041 04 BE 0100 8F 00 61 50 2C 0045	18) MOVO ATABLE(AP), RO
004E 004E 004E 004E	185 186;+ 187; fill registers for the MOVTUC loop 188; RO src len
004E 004E 004E 004E	190 : R3 address of translation table 191 : R4 dest len
50 10 AE 7D 004E 54 08 AE 7D 0052 53 04 AE DO 0056	192 : R5 dest pointer 193 :- 194 195 MOVQ 16(SP), R0 : R0 & R1 <- len & ptr for src 196 MOVQ 8(SP), R4 : R4&R5 <- len & ptr for dest
005A 005A 005A 005A	196 MOVQ 8(SP), R4 : R4&R5 <- len & ptr for dest 197 MOVL 4(SP), R3 : R3 has addr of extendd table 198 199 ;+ 200 ; Registers are initialized, so MOVTUC until get a NULL, increment src ptr
005A 005A 005A 005A	201; decrement arc len to describe atring remaining after NULL translation. 202; Then continue translating. 203;- 204 205 1\$: MOVTUC RO, (R1), #null, (R3), R4, (R5); find null translation
65 54 63 00 61 50 2F 005A	205 18: MOVTUC RO, (R1), #null, (R3), R4, (R5); find null translation

deallocate it

: End of BAS\$XLATE

clean the descr from stack

CALLS

CLRQ

RET

.END

00A3

00A4 00A4

04

00000000 GF

! Macro Library statistics !

Macro Library name

Macros defined

\$255\$DUA28:[SYSLIB]STARLET.MLB;2

190 GETS were required to define 4 macros.

M 7

BAS\$XLATE VAX-11 Macro Run Statistics 16-SEP-1984 00:01:59 VAX/VMS Macro V04-00 (BASRTL.SRC]BASXLATE.MAR;1

e .7

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL, TRACEBACK)/LIS=LIS\$:BASXLATE/OBJ=OBJ\$:BASXLATE MSRC\$:BASXLATE/UPDATE=(ENH\$:BASXLATE)

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